| BEST     |
|----------|
|          |
| $\leq$   |
|          |
| <b>B</b> |
|          |
| 0        |
| 0        |
| U        |

| Index of Clair |                            | <b>Application No.</b> 10/618,057 |   | Applicant(s) SHIMURA ET AL. |     |    |  |  |  |  |
|----------------|----------------------------|-----------------------------------|---|-----------------------------|-----|----|--|--|--|--|
|                |                            | Examiner  Boris L. Chervinsky     |   | Art Unit                    |     |    |  |  |  |  |
| √ Rejected     | (Through nume<br>Cancelled | Non-Elected                       | A | Appeal                      | · . |    |  |  |  |  |
| = Allowed      | + Restricted               | I Interference                    | 0 | Objected                    |     | 1_ |  |  |  |  |

| Cl       | alm            | Т | Date      |           |      |          |          |         |          |          |   |          |          |            | Claim Date    |              |          |          |           |          |              |          |          |          |              |          |          | Clair      |          |                                     |              |          |              |        |              |          |  |
|----------|----------------|---|-----------|-----------|------|----------|----------|---------|----------|----------|---|----------|----------|------------|---------------|--------------|----------|----------|-----------|----------|--------------|----------|----------|----------|--------------|----------|----------|------------|----------|-------------------------------------|--------------|----------|--------------|--------|--------------|----------|--|
| Ulc      |                | + | Т         | -1        | Date |          |          |         |          | T Date   |   |          |          |            |               | <u>  Uli</u> | Date     |          |           |          |              |          |          |          |              | $\vdash$ | Claim    |            |          | Date                                |              |          |              |        |              |          |  |
| Final    | Original       |   | 179/04    |           |      |          |          |         |          |          |   |          | ŀ        |            | Final         | Original     |          |          |           |          |              |          |          |          |              |          | Final    | Orlainal   | ,        |                                     |              |          |              |        |              |          |  |
|          | 1              |   | Į,        | $\exists$ |      | L        | Ţ        | 1       |          |          | Ţ | 1        | ]        | ı          |               | 51           |          | L        | 丰         | ļ        | L            | L        | t        | İ        | L            | 1        |          | 10         |          | 土                                   | t            | 土        | 土            |        | 1            | T        | 十                                      |
|          | 4              |   | <u>/</u>  | ┨         | _    | ⊢        | ╀        | +       | _        | ┡        | ╀ | ╁        | ┨        |            |               | 52<br>53     | ╀        | ╀        | ╀         | ╄        | ╀            | ╀        | ╀        | ╀        | ╀            | ┨        | <b> </b> | 10         | 2        | 4                                   | $\downarrow$ | Ţ        | Ļ            | Ŀ      | L            | Г        |  |
|          | 4              |   | 才         | ┪         |      | H        | 十        | +       |          | H        | ╁ | +        | ١.       | -          |               | 54           | ┢        | ╁        | ╁         | ╁        | ┢            | ╀        | H        | +        | ╁            | 1        | $\vdash$ | 10:        |          | ┿                                   | ╁            | ╀        | ╀            | ╀      | ╀            | ╄        | ╀                                      |
|          | <b>(5</b> )    | Ŀ | $\exists$ |           |      |          | İ        | 1       |          |          | İ | İ        | ↥        | ·          |               | 55           | L        |          | İ         |          |              | T        | T        | 1-       | H            | 1        | Н        | 10         |          | 十                                   | 十            | 十        | +            | +      | ╁            | ╁        | ╁╴                                     |
| _        | 6              | - | 4         | 4         | _    | L        | 1        | 4       |          | L        | L | Ţ        | ]        |            |               | 56           |          | L        |           |          | $oxed{\Box}$ |          | I        |          |              | ]        |          | 10         | 3        |                                     | T            | T        | T            | T      | ╁            | $\top$   | 1-                                     |
| $\dashv$ | 7 <sup>,</sup> | : | -         | 4         |      | H        | ╀        | +       | _        | ļ.,      | ╀ | +        | 4.       |            |               | 57           | L        | L        | ╄-        | ┡        | L            | _        | Ļ        | _        | L            |          | _        | 10         |          | $oldsymbol{\perp}$                  | L            | I        | I            | Γ      | I            |          |  |
| ┪        | ÷              | - | 7         | ┥         | _    | ┝        | ╀        | +       | -        | ┝        | ╀ | ╀        | - :      |            |               | 58<br>59     | ┝        | ╀        | ╁         | ⊢        | ╀            | ┞        | ╀        | ╀┈       | ⊢            |          | <u> </u> | 10         |          | ╄                                   | ╄            | ╀        | 4            | 4      | ╄-           | ┺        | Ļ                                      |
| ┪        | 10             |   | 71        | 7         |      | Н        | t        | †       | $\dashv$ | $\vdash$ | ╁ | t        | ١.       |            |               | 60           | ┢        | ╁        | ┿         | ┢        | ╁╴           | ┝        | ╁╴       | ╁╾       | ┝            | 1        | -        | 110        |          | ╁                                   | ╀            | ╀        | ╀            | ╀      | ╀            | ╀        | ├-                                     |
|          | 11             | Ŀ |           | 1         |      |          | Ì        | 1       |          |          | T | T        | ]        | - 1        |               | 61           | T        | T        | 1         | T        | T            | ✝        | T        | 1        | Н            | ۱.       | $\vdash$ | 111        |          | ╁╌                                  | ┢            | ╁        | ╈            | ╁      | ╁            | ⊢        | ┢                                      |
| 4        | 3/2            |   | 4         | 4         |      | L        | L        | $\perp$ |          | Ш        | L | Ţ        | ]        |            |               | 62           |          |          | Г         |          |              |          |          |          |              | ]        |          | 1112       | 2        | 工                                   | T            |          |              | L      | T            |          | ┢                                      |
|          | 18             |   | _         | +         | _    | L        | ╀        | +       | _        | <u> </u> | ╀ | +        | ┨        | ŀ          |               | 63           | L        | L        | ╀         | $\vdash$ | ⊬            | <u> </u> | L        | Ļ        | L            | ١.       | L        | 113        |          | F                                   | Г            |          | Γ            | Г      | $oxed{\Box}$ |          |  |
| -        | Ħ              |   | #         | +         | -    | $\vdash$ | ╁        | +       | -        | -        | ╀ | ╁        | ┨        | 1          |               | 64<br>65     | $\vdash$ | $\vdash$ | $\vdash$  | -        | $\vdash$     | -        | -        | ├        | ├-           |          | <b> </b> | 114        |          | +-                                  | ╀            | +        | $\vdash$     | ╀      | ╀            | $\vdash$ | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ |
| _†       | 16             | - |           | ┪         |      | Т        | t        | †       | ┪        |          | t | †        | 1        | ŀ          |               | 66           | Н        | $\vdash$ | H         | 1        | H            | Н        | +-       | +        | <del> </del> | 1        | $\vdash$ | 116        |          | 十                                   | ╁            | ╀        | ŀ            | ╀╌     | ╀            | ⊢        | $\vdash$                               |
| I        | 1/7            | 5 |           | 1         |      |          | I        | I       |          |          | L | T        | 1        | t          |               | 67           |          |          |           |          |              |          |          |          |              | 1        | $\vdash$ | 117        |          | t                                   | t            | ╁╌       | ✝            | †      | $\vdash$     | $\vdash$ | Н                                      |
| 4        | 18             | Ц | Ц.        | 4         | _    | L        | Ļ        | 4       | 4        | _        | L | L        | 1        | L          |               | 68           |          |          | L         |          |              |          |          |          |              |          |          | 118        |          |                                     |              |          |              | İ      |              |          |  |
| $\dashv$ | 18<br>19<br>20 | Н | +         | +         | _    | _        | ╀        | +       | -        |          | ┞ | ╀        | ŀ        | -          |               | 69<br>70     | L        | L        | L         | _        | L            | <u> </u> | L        | ╙        | <u> </u>     |          | <u> </u> | 119        |          | L                                   | L            | L        | L            | Г      | $\Box$       |          |  |
| ╅        | 赁              | Н | +         | +         |      |          | 十        | ┿       | ┪        |          | ┝ | ╁╌       | ď        | ` <b>}</b> |               | 71           | Н        | ┝        | ┢         | -        | -            | -        | ┝        | -        | H            | :        | <u> </u> | 120        | 4        | ╀-                                  | L            | ├-       | ╀            | ╀      | ┞            | ļ.,      | Н                                      |
| 7        | N SH SH TA     | Н | t         | †         |      |          | t        | t       | ┪        | -        | Н | t        | 1        | ŀ          |               | 72           |          | H        | ╁╌        | ⊢        | H            | $\vdash$ | ┝        | H        | -            |          | ├        | 122        |          | ╁                                   | ┝            | ┾        | ╀╌           | ╁      | ┢            | ┢        | Н                                      |
|          | 23             | П | I         | Ī         |      |          |          | T       |          |          |   | İ        | 1        | t          |               | 73           |          | Г        | ┪         | -        | ┢            | _        | -        |          | _            |          | ┝一       | 123        |          | 1-                                  | H            | $\vdash$ | ┢            | ┢      | ╁╴           | H        | Н                                      |
| 4        | *              | Ц | Ţ         | _[        |      |          | L        | Ţ       | $\Box$   |          |   | L        | ]        | ŀΓ         |               | 74           |          |          |           |          |              |          |          |          |              |          |          | 124        |          |                                     | <u> </u>     | Т        | T            |        | Г            |          | Н                                      |
| 4        |                | Н | ╀         | 4         | 4    |          | ╄-       | +       | 4        |          | L | ╀        | ŀ        | ŀ          |               | 75           | _        | L        | ┡         |          | _            |          | L        |          |              |          |          | 125        |          |                                     |              |          |              |        |              |          |  |
| ┪        | 26<br>27       | Н | ╁         | +         | ┥    |          | ╀        | ╀       | ┽        | -        | ┝ | ╀╴       | ┨        | ŀ          |               | 76<br>77     | -        | -        | ┝         | H        | -            |          | Н        | Н        |              |          | <u> </u> | 126        |          | ┞                                   | L            | ├-       | L            | ▙      | ▙            | _        | Щ                                      |
| _        | <b>2</b> B     | H | †         | +         | ┪    | _        | ┪        | t       | ┪        | _        | ┝ | H        | ľ        | ŀ          |               | 78           | -        | -        | $\vdash$  | -        | Н            |          |          | Н        |              |          |          | 127<br>128 |          | ⊢                                   | ┝            | ⊢        | ┝            | ╀╌     | H            | Н        | H                                      |
| $\Box$   | 249            |   |           | 1         |      |          |          | I       | 1        |          | Ł |          | 1        | ŀĹ         |               | 79           |          |          |           |          |              |          |          | Н        | _            | ·        |          | 129        |          | ┢                                   | ┢            | ┢        | 卜            | ┢      | $\vdash$     | H        | Н                                      |
| 4        | 30             | Ц | $\perp$   | 4         | 4    |          | L        | ╀       | $\perp$  |          | Ш | L        | ]        | <u> </u>   |               | 80           |          |          |           |          |              |          |          |          |              | :        |          | 130        |          |                                     |              |          |              |        |              |          |  |
| ╅        | 3              | K | #         | +         | 4    | _        | ⊢        | ╀       | +        |          | L | ┞        | ļ.,,     | ŀ          | $\rightarrow$ | 81           | _        | _        | L         | _        | _            |          | _        | Щ        | _            |          |          | 131        |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L            |          |              | L      |              |          |  |
| +        | 38             |   |           | +         | ┪    |          | ┝        | ╁       | ╅        | $\dashv$ | ┝ | ┢        | <b> </b> | ┢          | $\dashv$      | 82<br>83     | $\dashv$ |          | Н         | Н        | Н            | _        | Н        | Н        |              |          |          | 132        |          | <u> </u>                            | L            | -        | ┡            | ┡      |              | Щ        | $\sqcup$                               |
| 1        | 24             | 7 | -         | †         | 7    | _        | Т        | t       | +        |          |   | $\vdash$ | 1        | ┢          | $\dashv$      | 84           | $\dashv$ |          | H         |          | -            | -        | H        | Н        |              |          |          | 134        |          | ⊢                                   | ┝            | ┝        | ┝            | ┝      | H            | Н        | $\dashv$                               |
|          | 35             | ш | I         | Ι         |      |          |          | L       | Ī        |          |   |          | 1        |            |               | 85           |          |          |           |          |              |          |          |          |              | ĺ        |          | 135        | T        | Н                                   |              |          | ┢┈           | ┢      | Н            | Н        | $\dashv$                               |
|          | 36             |   | 1         | +         | 4    |          | L        | Ļ       | 4        | 4        |   | _        |          |            |               | 86           | _        |          |           |          |              |          |          |          |              |          |          | 136        |          |                                     |              |          |              | Ŀ      |              |          |  |
|          | 37<br>38       | _ | ╀         | ╀         | 4    | _        | L        | ╀       | +        | 4        | _ | ┞        | Į.       | F          |               | 87           | 4        | _        | Н         |          | 4            | -        | -        | $\dashv$ | -            | .        |          | 137        | L        | _                                   | Ц            | Ц        |              |        |              |          |  |
|          | 39             | _ | ۲         | +         | +    | -        | ⊢        | ╁       | +        | ┥        | _ | $\vdash$ | l        | +          | $\dashv$      | 88<br>89     | -        | ┥        | Н         | $\dashv$ | -            | -        | -        | $\dashv$ | -            |          |          | 138<br>139 | +        | -                                   | Н            | Н        | <u> </u>     | ┝      | Н            | $\vdash$ |  |
| 1        | 40             |   | T         | T         | _    |          |          | T       | +        | 1        |   | Η        | l        | r          |               | 90           | ┪        | ᅥ        | $\exists$ | ᅦ        | ┪            | ┪        | ┪        | $\dashv$ | $\dashv$     | 1        |          | 140        | $\vdash$ | Н                                   | Н            |          | H            | -      | Н            | ├┤       | $\dashv$                               |
|          | 41             |   |           | I         | I    |          |          | L       | I        |          |   |          |          |            |               | 91           |          |          |           |          |              |          |          | ⇉        |              | •        |          | 141        | T        | Т                                   | _            | Н        | H            |        |              |          | ┪                                      |
|          | 42             | _ | ┡         | 4         | 4    | 4        | <u> </u> | Ļ       | 4        | 4        |   | L        |          | F          | <u> </u>      | 92           | 4        |          |           | $\Box$   | Д            | $\Box$   | $\Box$   | Д        |              | ſ        |          | 142        |          |                                     |              |          |              |        |              |          | コ                                      |
|          | 43<br>44       |   | ╁         | ╀         | +    | 4        | -        | ╀       | +        | +        | _ | ├        | ١.       | H          |               | 93<br>94     | 4        | 4        | -         | 4        | 4            | 4        |          | 4        | 4            |          |          | 143        | $\vdash$ | Щ                                   |              | Ц        | <u>  .  </u> | Ц      | Ц            | 4        | _                                      |
|          | 45             |   | H         | $\dagger$ | +    | _        | -        | ╁       | +        | ┪        |   | ┝╌       | ļ.,      | H          |               | 95           | $\dashv$ | $\dashv$ | ┪         | +        | $\dashv$     | $\dashv$ | $\dashv$ | +        | ᅱ            | 4        |          | 144<br>145 | H        | Н                                   | Н            | Н        | Н            | Н      |              | 4        | $\dashv$                               |
|          | 46             | _ | L         | 1         | 1    |          |          | T       | 1        | 7        |   | Н        | ĺ        | ۲          |               | 96           | 7        | 7        | ┪         | ┪        | ┪            | 1        | +        | $\dashv$ | ┨            | ŀ        |          | 146        | ╂┤       | Н                                   | 닉            | $\vdash$ |              | Н      | $\dashv$     | $\dashv$ | $\dashv$                               |
|          | 47             |   | L         | I         | Ţ    | $\Box$   |          |         | Ι        | $\Box$   |   |          |          |            |               | 97           |          |          |           | ╛        | ╛            |          | ╛        | J        | ╛            | . [      |          | 147        |          |                                     |              |          |              | $\Box$ |              | +        | $\dashv$                               |
| _        | 48             | _ | L         | ╀         | 4    | _        | _        | L       | 4        | 4        | _ | Щ        |          | L          |               | 98           | 1        | ļ        | $\Box$    | $\Box$   | $\Box$       | J        | J        | $\Box$   | $\Box$       |          |          | 148        |          |                                     |              |          |              |        |              |          | J                                      |
|          | 49<br>50       | _ | L         | L         | ⊥    | _        |          | L       | ┸        | $\perp$  |   |          |          | L          |               | 99           |          |          |           | - [      | - 1          | - 1      | - 1      | ı        | - 1          | - [      |          | 149        | 1 7      | 7                                   |              |          |              |        | П            | Т        | $\neg$                                 |

Objected